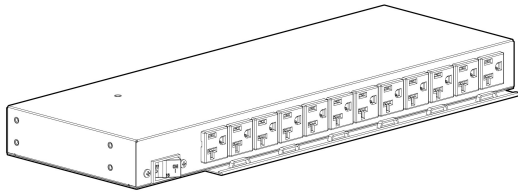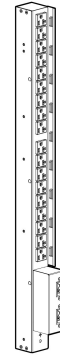# QuickSpecs

Overview

HP Basic PDUs are designed for simple installation, reliability and cost effective power distribution. They come in a variety of form factors and outlet configurations to meet the needs of today's high-density data center rack environments. With effective power distribution supporting from 12 to 42 outlet receptacles and power levels ranging from 1.9 kVA through 19.9 kVA, HP has the Basic single or 3-phase PDU for any application.

The low profile single piece design on these PDU's provides ease of access to rear devices for maintenance consideration and provides multiple mounting options. They are designed for HP racks but will also work in a large variety of third party racks as well. They can be installed on either side of the rack with outlets facing the back of the rack for easy access and improved clearance. Also for higher power density they can be installed side by side on both sides of the rack with the outlets facing in towards the center of the rack.

HP Basic PDUs are available in 1U/0U and vertical form factors in single and 3-phase models and are back by HP's limited 3-year warranty.

Basic PDU, 1U/0U Models (H5M54A shown)

Basic PDU, Half Height Models (H5M55A shown)
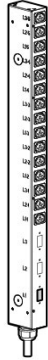
Basic PDU, Mid Height Models (H5M62A/H5M70A shown)

Basic PDU, Full Height Models (H5M67A/H5M73A shown)

Overview

Basic PDU, 480V Half Height model (H3X07A shown)   Basic PDU, 480V Full Height model (H3X08A shown)

Models

HP Basic PDU Models	HP 1.9kVA 120 Volt 12 Outlet NA/JP Basic Power Distribution Unit	H5M54A
	HP 2.8kVA 120 Volt 18 Outlet NA/JP Basic Power Distribution Unit	H5M55A
	HP 3.6kVA 200-240 Volt 12 Outlet WW Basic Power Distribution Unit	H5M56A
	HP 3.6kVA 200-240 Volt 20 Outlet WW Basic Power Distribution Unit	H5M57A
	HP 4.9kVA 208 Volt 20 Outlet NA/JP Basic Power Distribution Unit	H5M58A
	HP 4.9kVA 208 Volt 30 Outlet NA/JP Basic Power Distribution Unit	H5M59A
	HP 8.3kVA 208 Volt 36 Outlet NA/JP Basic Power Distribution Unit	H5M60A
	HP 8.6kVA 208 Volt Three Phase 18 Outlet NA/JP Basic Power Distribution Unit	H5M61A
	HP 8.6kVA 208 Volt Three Phase 30 Outlet NA/JP Basic Power Distribution Unit	H5M62A
	HP 5.7kVA 208 Volt Three Phase 27 Outlet NA/JP Dual Voltage Basic Power Distribution Unit	H5M63A
	HP 8.6kVA 208 Volt Three Phase 30 Outlet NA/JP Dual Voltage Basic Power Distribution Unit	H5M64A
	HP 11kVA 400 Volt Three Phase 42 Outlet NA Basic Power Distribution Unit	H5M67A
	HP Hardwired 200-240 Volt 36 Outlet WW Basic Power Distribution Unit	H5M75A
	HP 13.2kVA 480 Volt Three Phase 15 Outlet NA Basic Power Distribution Unit	H3X07A
	HP 19.9kVA 480 Volt Three Phase 30 Outlet NA Basic Power Distribution Unit	H3X08A

Standard Features

Features List	• One piece rack mount PDUs • Industry standard button and keyhole mounting • Easily accessible outlet receptacles and improved cable management • Models range from 1.9kVA to 19.9kVA
Key Features	• Ultra-thin design does not interfere with rear maintenance • 1U/0U and vertical form factors with flexible mounting options • Easy drop in installation

Multiple models for flexible installation

The HP Basic PDUs is available in four form factors for a variety of racks and environments. All HP Basic PDUs can be mounted to stay completely out of the critical rear maintenance path needed to service IT equipment in the rack. All vertical models use industry standard button and keyhole mounting for simple drop in installation in HP 11000 G2 and Intelligent Series racks and many third party racks.

1U/0U Basic PDUs

Mounts in 1U of space in any EIA standard rack these PDUs can also mount in the side of an HP rack for 0U mounting. Available in either a low voltage model with twelve NEMA 5-20 receptacles or a high voltage model with twelve IEC C13 outlets.

Vertical Basic PDUs

- A variety of sizes meet the needs of many environments
- Mounts vertically on either side in the rear of the rack using industry standard button and keyhole mounting.
- Standard mounting faces the outlet towards the rear of the rack. This configuration fully prevents interference in the maintenance zone between rear RETMA rails.
- Using the optional configuration of facing the outlets into the rack, multiple PDUs can be mounted on one side of the rack for higher power density.*

NOTE: Facing the outlets into the rack will interfere with the lower few rack U spaces of the rear maintenance zone due to breakers on the PDUs.

Standard Features

Vertical PDU Form Factors	● **Half Height Basic PDU**
	    ○ Designed to fit in 22U and taller racks
	    ○ Available in low voltage and three phase models with up to 20 outlets.
	    ○ Up to 4 Half Height PDUs can be mounted in one side of a 42U or 47U rack using the optional inward facing configuration.
	● **Mid Height Basic PDUs**
	    ○ Designed to fit in 36U and taller racks
	    ○ Available in high voltage and three phase models with a combination of C13 and C19 outlets for up to 36 outlets.
	    ○ New Three Phase Dual Voltage models provide three NEMA 5-20 convenience outlets for low voltage equipment in a high voltage rack.
	● **Full Height Basic PDUs**
	    ○ Designed for 42U and taller racks.
	    ○ Available in three phase only with 36 x C13 and 6x C19 for a total of 42 outlets.
	● **480V Basic PDUs**
	    ○ 480V three phase 5 wire input provides 277V single phase output.
	    ○ Unique outlets prevent connection of non-277V compatible equipment.
	    ○ Available in a 15 outlet Half Height and a 30 outlet Full Height model.
	
	NOTE: When mounted in the standard rear facing configuration only 1 Mid or Full Height Basic PDU can be mounted per side of the rack. Up to 2 Half Height Basic PDUs can be mounted per side in the standard rear facing configuration in a 42U or taller rack.
	NOTE: HP 480V Basic PDUs can only be mounted in the standard rear facing configuration.

Easy Installation and compatibility	Standard button and keyhole mounting provides simple drop in installation in HP 11000 G2 and Intelligent Series Rack and many third party racks.
Warranty Upgrade Options	HP Basic PDUs are backed by a limited 3-year warranty. HP Basic PDUs automatically assume the Care Pack coverage level of any covered ProLiant server in the same rack.

Service and Support

HP Care Pack Services   Care Pack services provide a range of life cycle support options that let you choose the service levels that meet your business requirements, from basic to mission-critical.

A full range of HP Care Pack hardware and software services are available including:

- Installation and start up
- Education courses
- Extended onsite hardware coverage hours from same business day 13 hours, 5 day to 24 hours, 7 days call window with options including 4-hour response or 6-hour Call To Repair
- Comprehensive range of software technical support for Microsoft, Linux, ProLiant Essentials and VMWare-based IT solutions helping to deliver high level of application availability. Response times range from 30 mins for critical problems to 2 hours.
- System Management, Performance Services and Mission Critical Support Solution

NOTE: For more information on HP Care Pack services, contact any of our worldwide sales offices or resellers or visit our worldwide Web site on the internet at: http://www.hp.com/hps/carepack
NOTE: For more complete information on HP Services offerings, customers and resellers, please visit us at: http://www.hp.com/hps
NOTE: Additional information regarding worldwide limited warranty and technical support is available at: http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html

Related Options

HP Country specific C19 PDU Inlet Cords for H5M56A and H5M57A (required)	HP C19 - Nema L6-20P NA/JP 250V 20Amp High Voltage 3.6m Power Cord	AF593A
	HP C19 - NBR-14136 BR 250V 16Amp 2.5m Power Cord	AF592A
	HP C19 - GB-1002 CN 250V 16Amp 2.5m Power Cord	AF584A
	HP C19 - IS-1293 IN/PK/BD 250V 16Amp 2.5m Power Cord	AF582A
	HP C19 - ISI-32 IL 250V 16Amp 2.5m Power Cord	AF583A
	HP C19 - AS3112-3 AU/NZ 250V 15Amp 3.6m Power Cord	AF577A
	HP C19 - IEC-309 DK/SE/AR 250V 16Amp 3.6m Power Cord	AF581A
	HP C19 - CEE-VII EU 250V 16Amp 3.6m Power Cord	AF576A
	HP C19 - CEI-23-50 IT/CL 250V 16Amp 3.6m Power Cord	AF580A
	HP C19 - SABS-164 ZA 250V 16Amp 3.6m Power Cord	AF579A
	HP C19 - BS-1363/A UK/HK/SG 250V 13Amp 3.6m Power Cord	359615-031
	HP 240 VAC 4.5M C19-Unterminated End NA Power Cord	E7806A

NOTE: HP Basic PDU models H5M56A and H5M57A require an IEC 320-C19 to country specific plug inlet cord which is sold separately.

NOTE: Please refer to the Power Cord Matrix for more information on power cords/cable part numbers, input/output descriptions: http://www.hp.com/go/powercordmatrix.

HP Jumper Cables	HP C13 - C14 WW 250V 10A Gray 0.7m Jumper Cord	A0K03A
	HP IEC C13-C14 Cable Option Kit	142257-B28
	HP IEC320-C14 to C13 (10A/4.5ft/1.37m) PDU Cable	142257-006
	HP C13 - C14 WW 250V 10A Gray 1.37m Jumper Cord	A0K04A
	HP IEC320-C14 to C13 10A/4.5ft/1.37m/ 15 PDU Cable	142257-007
	HP C13 - C14 WW 250V 10Amp 2.0m Jumper Cord	A0K02A
	HP C13 - C14 WW 250V 10Amp Flint Gray 2.0m Jumper Cord	AF573A
	HP IEC320-C14 to C13 (10A/8ft/2.5m) PDU Cable	142257-002
	HP C13 Straight - C14 Straight WW 250V 10AMP 3.0m Jumper Cord	142257-003
	HP C13 - C14 WW 250V 10A Gray 3.0m Jumper Cord	A0K06A
	HP C20 - C13 WW 250V 15Amp 2.0m Jumper Cord	AF590A
	HP C19 - C20 WW 250V 16Amp Flint Gray 1.20m Jumper Cord	AF575A
	HP C19 - C20 WW 250V 16Amp Flint Gray 2.0m Jumper Cord	AF574A
	HP C19 - C20 WW 250V 16Amp 2.5m Jumper Cord	295633-B22
	HP 200-250V 10A C15 to C14 .76m Jumper Cable	E7807A

NOTE: Please refer to the Power Cord Matrix for more information on power cords/cable part numbers, input/output descriptions: http://www.hp.com/go/powercordmatrix.

HP Mounting Brackets	HP Vertical PDU 10KG2 Mounting Kit	H6L32A

NOTE: Allows HP Basic PDU vertical models to be mounted in HP 10000 G2 series racks and in the HP V142 rack.

HP 277 Volt options for H3X07A and H3X08A	HP LS-26 to LS-25 277 Volt 15Amp AC 0.76m Jumper Cord	TK801A
	HP LS-26 to LS-25 277 Volt 15Amp AC 1.37M Jumper Cord	TK802A
	HP 800VA - 277V Input / 230V Output NA Rack Mount Transformer	H3X09A

Related Options

NOTE: 720 watt, 2U transformer converts 277V to 230V for up to 4 devices.
NOTE: Please refer to the Power Cord Matrix for more information on power cords/cable part numbers, input/output descriptions: http://www.hp.com/go/powercordmatrix.

Basic PDU Family Information

Model Selection Matrix

HP Basic PDUs 1U/0U models

Model	Part Number	Input Circuit	Current Maximum	Load capacity	Input Connection	Output circuit breakers	Outlet Connections
1.9kVA PDU	H5M54A	100-127V 20A	16A	1920VA @120V	8ft(2.4m) cord with attached NEMA L5-20P	1 x 20A	12 x NEMA 5-20R
3.6kVA PDU	H5M56A	200-240V 16-20A	16A	3680VA @230V	Detachable input power cord with an IEC 320-C20 inlet*	1 x 16A	12 x IEC C13

Half Height vertical models							
Model	**Part Number**	**Input Voltage**	**Current Maximum**	**Load capacity**	**Input Connection**	**Output circuit breaker**	**Outlet Connections**
2.8kVA PDU	H5M55A	100-127V 30A	24A	2880VA @120V	8ft(2.4m) cord with attached NEMA L5-30P	2 x 20A	18 x NEMA 5-20R
3.6kVA PDU	H5M57A	200-240V 16-20A	16A	3680VA @230V	Detachable input power cord with an IEC 320-C20 inlet*	2 x 16A	20 x IEC C13
4.9kVA PDU	H5M58A	200-240V 30A	24A	4992VA @208V	8ft(2.4m) cord with attached NEMA L6-30P	2 x 20A	20 x IEC C13
7.3kVA PDU	H5M68A	200-240V 32A	32A	7360VA @230V	8ft(2.4m) cord with attached IEC 332P6	2 x 16A	20 x IEC C13
8.6kVA PDU	H5M61A	200-208V 30A 3 phase Delta	41.5A	8646VA@208V3Ø	8ft(2.4m) cord with attached NEMA L15-30	3 x 20A	18 x IEC C13

Mid Height vertical models							
4.9kVA PDU	H5M59A	200-240V 30A	24A	4992VA @208V	8ft(2.4m) cord with attached NEMA L6-30P	3 x 20A	24 x IEC C13 6 x IEC C19
7.3kVA PDU	H5M70A	200-240V 32A	32A	7360VA @230V	8ft(2.4m) cord with attached IEC 332P6	3 x 16A	24 x IEC C13 6 x IEC C19
8.3kVA PDU	H5M60A	200-240V 50A	40A	8320VA @208V	8ft(2.4m) cord with attached CS8265C	3 x 20A	30 x IEC C13 6 x IEC C19
11kVA PDU	H5M71A	200-240V 63A	48A	11040VA @230V	8ft(2.4m) cord with attached IEC 363P6	3 x 16A	30 x IEC C13 6 x IEC C19

Basic PDU Family Information

Hardwired PDU	H5M75A	200-240V 50-63A	46A	11040VA @230V	Terminal block for hardwired installation	3 x 20A	30 x IEC C13 6 x IEC C19
5.7kVA Dual Voltage PDU	H5M63A	200-208V 20A 3 phase WYE	27.7A	5764VA @208 3Ø	8ft(2.4m) cord with attached NEMA L21-20P	3 x 20A	20 x IEC C13 3 x NEMA 5-20R
8.6kVA Dual Voltage PDU	H5M64A	200-208V 30A 3 phase WYE	41.5A	8646VA @208 3Ø	8ft(2.4m) cord with attached NEMA L21-30P	3 x 20A	20 x IEC C13 3 x IEC C19 3 x NEMA 5-20R
8.6kVA PDU	H5M62A	200-208V 30A 3 phase Delta	41.5A	8646VA @208 3Ø	8ft(2.4m) cord with attached NEMA 15-30P	3 x 20A	24 x IEC C13 6 x IEC C19
11kVA PDU	H5M72A	380-415V 16A 3 phase WYE	16A per phase	11084VA @ 400V 3Ø	8ft(2.4m) cord with attached IEC 516P6	3 x 16A	24 x IEC C13 6 x IEC C19

Full Height vertical models

11kVA PDU	H5M73A	380-415V 16A 3 phase WYE	16A per phase	11040VA @ 400V 3Ø	8ft(2.4m) cord with attached IEC 516P6	3 x 16A	36 x IEC C13 6 x IEC C19
11kVA PDU	H5M67A	380-415V 30A 3 phase WYE	24A per phase	11040VA @400V 3Ø	8ft(2.4m) cord with attached IEC 530P6	3 x 20A	36 x IEC C13 6 x IEC C19

480/277 Volt models

13.2kVA PDU	H3X07A	480V 30A 3 phase WYE	16A per phase	13301VA @480V 3Ø	9.8ft(3M) cord with attached IEC 530P7	3 x 20A	15 x LS-26
19.9kVA PDU	H3X08A	480V 30A 3 phase WYE	24A per phase	19952VA @480V 3Ø	9.8ft(3M) cord with attached IEC 530P7	6 x 20A	30 x LS-26

*****NOTE:** HP Basic PDU models H5M56A and H5M57A require an IEC 320-C19 to country specific plug inlet cord which is sold separately.

NOTE: Please refer to the Power Cord Matrix for more information on power cords/cable part numbers, input/output descriptions. http://www.hp.com/go/powercordmatrix.

Disclaimer: HP makes no recommendations regarding power connector manufactures. Please consult a licensed professional to determine the best connector or receptacle for your specific needs.

Technical Specifications

All PDUs

Operating Temperature	50° to 122° F (10° to 50° C)
Operating Relative Humidity (%)	10% to 90%
Operating Elevation	0 to 10,000 ft (0 to 3048 m)
Storage Temperature	-4° to 140° F (-20° to 60° C)
Storage Relative Humidity (%)	5% to 95%
Storage Elevation	0 to 30,000 ft (0 to 9144 m)
Input Plug Length (attached cord units)	96 inches (243.8 cm)
Conformance Standards	UL, CUL - NA/JPN models UL, CUL, CE, TUV, KC, EAC - WW models
Mechanical Dimensions (WxHxD) - 1U/0U models	17.5 x 1.66 x 6 in (44.45 x 4.2x 15.3 cm)
Mechanical Dimensions (WxHxD) - Half Height models	1.9 x 29.02 x 3.75.0 in (48 x 73.7x 9.5 cm)
Mechanical Dimensions (WxHxD) - Mid Height models	1.9 x 55.12 x 9.5in (48 x 140 x 9.5 cm)
Mechanical Dimensions (WxHxD) - Full Height models	1.9 x 61.07 x 3.75 in (48 x 155.1 x 9.5 cm)
Mechanical Dimensions (WxHxD) - 480V Half Height Model	1.98 x 32.4 x 3.15 in (5.03 x 82.3 x 8 cm)
Mechanical Dimensions (WxHxD) - 480V Full Height Model	1.98 x 62.9 x 3.15 in (5.03 x 159.7 x 8 cm)
Kit Contents - All Basic PDUs	All models ship with:

- Mounting brackets/hardware
- Cord Retention bracket
- Tie wraps
- Shipping bracket
- Read me first card

Environment-friendly Products and Approach	**End-of-life Management and Recycling**	Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to: http://www.hp.com/go/green. To recycle your product, please go to: http://www.hp.com/go/green or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.
		The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/green. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Technical Specifications